

Antenna Specification

Product description: 2.4G PCB Antenna

Uni Link's part number:ANTENNA-2400-2500A(Zigbee)

Issue Date:2024-12-02

Note:2400-2500MHZ
Manufacturer:Shenzhen Sonoff Technologies Co.,Ltd.

Address:

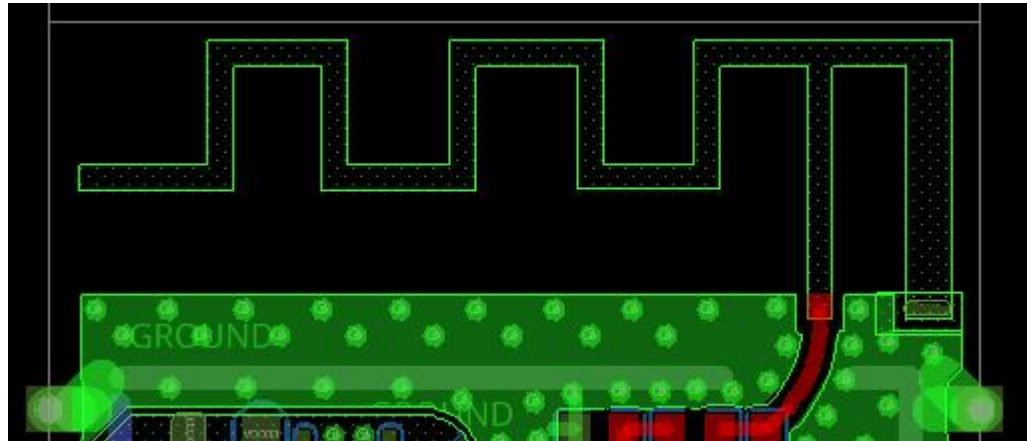
3F& 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China

1、(PRODUCT TECHNICAL SPECIFICATION)

Electrical Specifications	
Frequency Range(MHz)	2400-2500
Input Impendence(Ω)	50
V.S.W.R	≤ 1.5
Gain(dBi)	0.85
Polarization Type	Horizontal
Power Capacity(w)	2
Mechanical Specifications	
Antenna Length(mm)	
Radiator	Cuprum
Connect Type	NC
Working Temp($^{\circ}$ C)	-10~40

Storage Temperature(°C)	-20~55
antenna size	PCB ant
Weight(g)	

The size of the antenna(mm):



2. Image of antenna S11



3. Antenna gain

Antenna Test Report (Passive-BW)

Date: 11-27-2024

Comments:
This antenna is good. Yeah!

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dB)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	0.55	5.86	31.6%	-5.01	0.85	105	120	-95.99	0	0	-5.16	96.84	6.01	-90.83
2	2410.0	2410.00	0.75	5.98	32.1%	-4.94	1.04	105	120	-95.99	0	0	-4.88	97.03	5.92	-91.11
3	2420.0	2420.00	0.67	6.17	34.3%	-4.64	1.53	105	120	-95.99	0	0	-4.33	97.52	5.87	-91.66
4	2430.0	2430.00	0.72	6.27	38.1%	-4.19	2.07	105	120	-95.99	0	0	-3.74	98.06	5.81	-92.25
5	2440.0	2440.00	0.36	6.15	36.7%	-4.36	1.79	105	120	-95.99	0	0	-3.98	97.78	5.77	-92.01
6	2450.0	2450.00	0.28	6.00	37.9%	-4.21	1.79	105	120	-95.99	0	0	-3.84	97.78	5.63	-92.15
7	2460.0	2460.00	0.50	5.82	40.1%	-3.97	1.85	105	135	-95.99	0	0	-3.61	97.84	5.46	-92.38
8	2470.0	2470.00	0.85	5.56	41.6%	-3.82	1.75	105	135	-95.99	0	0	-3.67	97.73	5.42	-92.32
9	2480.0	2480.00	0.44	5.18	41.6%	-3.81	1.37	105	135	-95.99	0	0	-4.04	97.36	5.41	-91.95
10	2490.0	2490.00	0.62	5.17	40.2%	-3.96	1.21	105	135	-95.99	0	0	-4.28	97.20	5.49	-91.71
11	2500.0	2500.00	0.63	5.14	41.9%	-3.78	1.36	105	135	-95.99	0	0	-4.17	97.35	5.53	-91.82

